

Please amend the above-identified application as follows:

In the Claims:

Please amend the following claims:

FI 2 20. (Thrice Amended) An apparatus for the detection of target nucleic acids in a test sample, comprising:

- a) a test chamber comprising a first and a second electrode, wherein said first electrode comprises a covalently attached single stranded nucleic acid, wherein said electrode further comprises a passivation agent monolayer and wherein said nucleic acid further comprises a covalently attached second electron transfer moiety; and
- b) an AC/DC voltage source electrically connected to said test chamber.

FI 3 26. (Twice Amended) An apparatus for the detection of target nucleic acids in a test sample, comprising:

- a) a test chamber comprising a first and a second electrode, wherein said first electrode comprises a covalently attached first single stranded nucleic acid and a passivation agent monolayer;
- b) a second nucleic acid covalently attached to an electron transfer moiety; and
- c) an AC/DC voltage source electrically connected to said test chamber.

**REMARKS**

Claims 19-31 and 22-40 are pending. Claims 20 and 26 have been amended to correct obvious typographical errors. An Appendix of Pending Claims is attached for the Examiner's convenience.

Attached hereto is a marked-up version of the changes made to the specification and claims by this Amendment. The attached page is captioned "Version with markings to show changes made."